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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

ZIA, SYED

ART UNIT PAPER NUMBER

2131

DATE MAILED: 11/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/435,015

Applicant(s)

JIAO, FAN

Examiner

Syed Zia

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 10 August 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-7,9-14 and 16-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 16-20 is/are allowed.
- 6) ☒ Claim(s) 1,6,11,13,21 and 22 is/are rejected.
- 7) ☒ Claim(s) 5,7,9,10,12,14,23 and 24 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>See</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

This office action is in response to arguments filed on August 10, 2005. Original application contained Claims 1-20. Applicant previously added Claim 21-26. Applicant currently amended Claims 1,5-7, 9-14,16, 21-22, and cancelled Claims 2-4, 8, 15, and 25-26. The amendment filed have been entered and made of record. Presently pending claims are 1, 5-7, 9-14, and 16-24.

Information Disclosure Statement

The information disclosure statement filed August 10, 2005 fails to comply with 37 CFR 1.98(a)(3) because it does not include a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the information, of each patent listed that is not in the English language. It has been placed in the application file, but the information referred to therein has not been considered.

Allowable Subject Matter

Claims 16-20 are allowed. Claims 5,7, 9-10,12,14, and 23-24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including and merging all of the limitations of the base claim and any intervening claims.

Response to Arguments

3. Applicant's arguments with respect to claims 1-26 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1, 11,13, and 21-22 are rejected under 35 U.S.C. 102(e) as being anticipated by Reid, U.S. Patent No. 6,131,120 ('Reid' hereinafter).

6. Regarding claim 1, Reid teaches and describes a directory-enabled network element, comprising a directory enabling element installed in and executed by the network element, wherein the network element is anyone of a packet router and a data switch capable of manipulating Packets at any of Open System Interconnection (OSI) Layer 2 and 3, wherein the directory enabling element is configured to query, access, and update directory information that is managed by a directory service of a network that includes the

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network element, wherein the directory service is any one of a Lightweight Directory Access Protocol (LDAP) directory and an X.500 directory; an application programming interface coupled to the directory enabling element and configured to receive directory services requests from application programs and provide the directory, services requests to the directory enabling element (Fig.4 col.7 line 50 to col.8 line 65), wherein the application programs are hosted in the network element (col.10 line 33 to line 46); and a locator service coupled to the directory enabling element and accessible using the application programming interface and configured to enable the application programs to locate servers that provide the directory services in the network (col.8 line 6 to line 21).

7. Regarding claim 11, Reid teaches and describes a directory-enabled packet router for a packet-switched network, herein the packet router comprises a directory enabling element installed in and executed by the packet router, wherein the packet router is capable of manipulating packets at any of Open System Interconnection (OSI) Layer 2 and 3, wherein the directory enabling element is configured to query, access, and update directory information that is managed by a directory service of the packet-switched network, wherein the directory service is any one of a Lightweight Directory Access Protocol (LDAP) directory and an X.500 director (Fig.4 col.7 line 50 to col.8 line 65, and col.10 line 33 to line 46).

8. Regarding claim 13, Reid teaches and describes a directory-enabled network data switch for a packet-switched network, wherein the data switch comprises a directory enabling element installed in and executed by the data switch, wherein the data switch is capable of manipulating

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packets at any of Open System Interconnection (OSI) Layer 2 and 3, wherein the directory enabling element is configured to query, access, and update directory information that is managed by a directory service of the packet-switched network, wherein the directory service is any one of a Lightweight Directory Access Protocol (LDAP) directory and an X.500 directory (Fig.4 col.7 line 50 to col.8 line 65, and col.10 line 33 to line 46)..

9. Regarding claim 21, Reid teaches and describes a directory services-enabled network element, comprising: a directory enabling element installed in and executed by the network element, wherein the network element is any one of a packet router and a data switch capable of manipulating packets at any of Open System Interconnection (OSI) Layer 2 and 3, wherein the directory enabling element is configured to query, access, and update directory information that is managed by directory services of a network that includes the network element, wherein the directory services include at least one of a Lightweight Directory Access Protocol (LDAP) directory and an X.500 directory (Fig.4 col.7 line 50 to col.8 line 65, and col.10 line 33 to line 46); and a locator service coupled to the directory enabling element and configured to locate servers that provide the directory services in the network (col.8 line 6 to line 21).

10. Regarding claim 22, Reid teaches and describes a system comprising a network element enabled to automatically interface with directory services in a network, wherein the network element comprises:

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a directory enabling element installed in and executed by the network element, wherein the network element is any one of a packet router and a data packet switch capable of manipulating packets at any of Open System

Interconnection (OSI) Layer 2 and 3, wherein the directory enabling element is configured to query, access, and update directory information that is managed by directory services of the network that includes the network

element, wherein the directory services include at least one of a Lightweight Directory Access Protocol (LDAP) directory (Fig.4 col.7 line 50 to col.8 line 65, and col.10 line 33 to line 46), and an X.500 directory and a locator service coupled to the directory enabling element and configured to locate servers that provide the directory services in the network (col.8 line 6 to line 21).

Claim Rejections - 35 USC § 103

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

12. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Reid, U.S. Patent No. 6,131,120 ('Reid' hereinafter) in view of Day, II et al. U.S. Patent No. 5,968,116 ('Day, II' hereinafter).

13. Reid teaches claim 6 rejected as above in rejecting claim 1.

Reid does not explicitly disclose a Unicode translation service configured to query, access, and update directory information that is encoded in a Unicode international character format.

Day, II teach a Unicode translation service configured to query, access, and update directory information that is encoded in a Unicode international character format (see col. 6, lines 13-31).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Day, II within the system of Reid because both references are directed to a directory-enabled network element, and because the implementation of the Unicode translation service of Day, II in Reid would allow for the data within the directory to be effectively transported through the network without corruption, further improving the reliability of the directory information that is encoded in a Unicode international character format.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed Zia whose telephone number is 571-272-3798. The examiner can normally be reached on 9:00 to 5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SZ

October 29, 2005

A handwritten signature in black ink, appearing to be "SZ" followed by a stylized flourish.